

## AMENDMENTS TO THE CLAIMS

Please cancel and amend the claims as shown in the following listing of claims. This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1. (Cancelled)

2. (Currently Amended) The method of claim 44 ~~valve of claim 1~~, wherein said edges include ~~edge includes~~ barbs.

3. (Withdrawn – Currently Amended) The method of claim 44 ~~valve of claim 1~~, wherein said edges include ~~edge includes~~ an adhesive.

Claims 4-9 (Cancelled)

10. (Currently Amended) The method of claim 44 ~~valve of claim 1~~, wherein said edges are ~~edge is a~~ reinforced edges.

11. (Currently Amended) The method ~~valve~~ of claim 10, wherein said reinforced edges have ~~edge has~~ a thickness greater than a central portion of said one or more pieces of flexible material ~~flexible member~~.

12. (Cancelled)

13. (Currently Amended) The method of claim 44 ~~valve and delivery system of claim 12~~, wherein said edges have edge ~~has~~ a plurality of structural elements for attaching to said walls.

14. (Currently Amended) The method ~~valve and delivery system~~ of claim 13, wherein said structural elements include barbs.

Claims 15-25 (Cancelled)

26. (Original) A method for modifying blood flow in a vascular vessel, the method comprising:

percutaneously delivering one or more pieces of flexible material to a site within a vascular vessel; and

percutaneously attaching at least portions of said one or more pieces of flexible material to walls of the vascular vessel so as to form a structure that selectively permits blood flow in a first direction and resists blood flow in a second direction.

27. (Original) The method of claim 26, wherein said flexible material has remodelable properties.

28. (Original) The method of claim 26, wherein said flexible material contains collagen.

29. (Original) The method of claim 26, wherein said flexible material comprises an extracellular matrix material.

30. (Original) The method of claim 29, wherein said extracellular matrix material contains collagen.

31. (Original) The method of claim 30, wherein said extracellular matrix material comprises submucosa.

32. (Original) The method of claim 26, wherein said structure includes a valve having two or more leaflets.

33. (Withdrawn) The method of claim 26, wherein said flexible material comprises collagen, and wherein said percutaneously attaching includes delivering energy to facilitate attachment of said portions to the wall.

34. (Withdrawn) The method of claim 33, wherein said energy includes electromagnetic radiation.

35. (Withdrawn) The method of claim 34, wherein said energy is selected from microwave, radio frequency, laser, and ultraviolet light energy.

36. (Withdrawn) The method of claim 33, wherein an energy-absorbing substance is provided in contact with said portions, and wherein said energy activates the energy-absorbing substance to attach said portions to the wall.

37. (Withdrawn) The method of claim 33, wherein the energy welds said portions to the wall.

38. (Original) The method of claim 26, wherein said percutaneously delivering comprises deploying the flexible material from a lumen of a percutaneously advancable device.

39. (Original) The method of claim 38, wherein said percutaneously delivering comprises deploying a delivery structure from the lumen, the delivery structure including the flexible material releasably held to an expandable element.

40. (Original) The method of claim 39, wherein the expandable element includes a balloon.

41. (Withdrawn) The method of claim 38, wherein the expandable element includes a wire structure.

42. (Original) The method of claim 26, wherein said attaching includes attaching a band of said flexible material in a path extending at least partially longitudinally and at least partially circumferentially along the wall.

43. (Cancelled)

44. (New) The method of claim 26 including attaching edges of said one or more pieces of flexible material to walls of the vascular vessel.